(19)

BRUHAT BANGLORE MAHANAGARA PALIKE

DASARAHALLI-ZONE

T.DASARAHALLI-SUB-DIVISION.

Name of Work: *Construction of Concrete Drain and Improvements to Roads at Siddeshwara Badavane in Bagalagunte ward no.14 T.Dasarahalli Sub division.*

Estimate Cost :- 45.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work :Construction of Concrete Drain and Improvements to Roads at Siddeshwara Badavane in Bagalagunte ward no.14

			Est. Cost Rs				45.00	Lakhs	
Sl.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-47. Scarifying kankar / gravel / metal crust upto 150mm thick with pick axes and disposal of stuff within a lead of 100 meters including cost of all labour charges Complete as per specifications. MORTH Chapter 3. **Page No. 158/ Item No. 19.53/ PWD SR 2013-14**	**Sqm**							
			1	100	6.00		600.0		
			1	95	6.00		570.0		
			1	89	6.00		534.0		
			1	270	6.00		1620.0		
	Basic Rate	18.75					**3324.0**	20.25	**67311.00**
	Area Weightage 8%	1.50							
	Total	**20.25**							
2	KSRRB 300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications. (which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305. **Page No. 159/ Item No. 19.60/ PWD SR 2013-14**	**Cum**							
			1	100	6.00	0.30	180.00		
			1	95	6.00	0.30	171.00		
			1	89	6.00	0.30	160.20		
			1	270	6.00	0.30	486.00		
	Basic Rate	154.00					**997.20**	166.32	**165854.00**
	Area Weightage 8%	12.32							
	Total	**166.32**							
3	KSRRB M400-1 For Grading I material construction of granular sub-base by providing close graded granular sub-base material, ixing in a mechanical mix plant at OMC, carriage of mixed material at work site, spreading in uniform layers with motir grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A.plant mix method. **Page No 167/ Item No. 20.4.1 PWD SR 2013-14**	**Cum**							
			1	100	6.00	0.15	90.00		
			1	95	6.00	0.15	85.50		
			1	89	6.00	0.15	80.10		
			1	270	6.00	0.15	243.00		
	Basic Rate	982.00					**498.60**	1060.56	528795.00
	Area Weightage 8%	78.56							
	Total	**1060.56**							

4	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications.MORTH Specification No. 406 **Page No. 170/ Item No. 20.18/ PWD SR 2013-14**	**Cum**							
			1	100	6.00	0.20	120.0		
			1	95	6.00	0.20	114.0		
			1	89	6.00	0.20	106.8		
			1	270	6.00	0.20	324.00		
	Basic Rate	1038.00					**664.80**	1121.04	745267.00
	Area Weightage 8%	83.04							
	Total	**1121.04**							
5	Providing and applying primer coat with s.s bitumen emulstion on prepared surface of granular base such as WBM, WMM including clearing of road surface and spraying primer at the rate of 0.6 kg/sqm using mechanical means complete as per specification with all leads and lifts etc., complete as per the direction of Engineer-in- charge of the work(PWDSR2013-14 , P.NO 176,ITEM NO 21.9)	**Sqm**							
			1	100	6.00		600.0		
			1	95	6.00		570.0		
			1	89	6.00		534.0		
			1	270	6.00		1620.0		
	Basic Rate	26.80					3324.0	28.94	**96197.00**
	Area Weightage 8%	2.14							
	Total	**28.94**							
6	KSRRB M500-17: Providing and laying semi dense bituminous concrete 25-30 mm thick with 5% bitamin 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen with all leads and lifts **Page No.178/ Item No. 21.20.1/ PWD SR 2013-14**	**Cum**							

			1	100	6.00	0.03	18.00		
			1	95	6.00	0.03	17.10		
			1	89	6.00	0.03	16.02		
			1	270	6.00	0.03	48.60		
							99.72	**9631.44**	**960447.00**
	Basic Rate	8918.00							
	Area Weightage 8%	713.44							
	Total	**9631.44**							
7	Carriage of mixed materials with an lead of 5 kms **Page No.172/ Item No. 20.28/ PWD SR 2013-14 (Note)**	Cum							
			Qty Vide Item No. 7				**99.72**	78.57	**7835.00**
	1st to2ndKM	5.75							
5.50*3=16.50	2nd-5th KM	16.50							
5.2*5=26	5 to-10 KM	26.00							
4.9*5=24.5	5 to-10 KM	24.50							
		72.75							
	Area Weightage 8%	5.82							
	Total	**78.57**							
8	KSRRB 300-1: Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3. **Page No. 152/ Item No. 19.1/ PWD SR 2013-14**	**Cum**							
	RCC Drain		1	95	1.80	1.30	222.30		
	BS slab drain		1	270	0.75	0.60	121.50		
	Basic Rate	84.00					**343.80**	90.72	**31190.00**
	Area Weightage 8%	6.72							
	Total	**90.72**							
9	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12/ Item No. 4.3/ PWD SR 2013-14**	Cum							
	For Cross Roads -		1	95	1.80	0.15	25.65		
							25.65	4211.38	**108022.00**
	Basic Rate	3973.00							
	Add Area Weightage 6%	238.38							
	Total	**4211.38**							

10	KSRB 4-2.2: Providing and laying in position plain cement concrete of design mix M20 with OPC cement @320 kgs, with 20mm(nd down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, with superplastisiser @3lts confirming to IS9103-1999 Reafirmed-2008, machine mixed, concrete laid in layers not blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13/ Item No. 4.11/ PWD SR 2013-14**	Cum							
	For Cross Roads -								
	For Bottom		1	85.00	1.80	0.10	15.30		
	bottom		2	6.00	1.20	0.10	1.44		
	bottom		1	9.50	1.80	0.15	2.57		
	sides		2	85.00	0.15	1.20	30.60		
			2	9.50	0.20	1.30	4.94		
			4	6.00	0.20	0.60	2.88		
	slab		1	9.50	1.70	0.35	5.65		
			2	6.00	1.00	0.30	3.60		
	approach		2	6.00	1.00	0.30	3.60		
							70.58	5535.32	**390669.00**
	Basic Rate	5222.00							
	Add Area Weightage 6%	313.32							
	Total	**5535.32**							
11	KSRB 4.9.2 : Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.46/ PWD SR 2013-14**	qtl							
	Across drain		17.07	100.00			1707.00		
			855.00	3.60	3078.00	0.62	1908.36		
			36.00	85.50	3078.00	0.62	1908.36		
	Basic Rate	6834.00					55.24	7244.04	**400140.00**
	Add Area Weightage 6%	410.04							
	Total	**7244.04**							
12	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 17/ Item No. 4.31/ PWD SR 2013-14**	Sqm							
	sides		4	86.00	1.20		412.80		

	sides		8	6.00	0.60		28.80		
	sides		4	9.50	1.30		49.40		
			2	6.00	1.00		12.00		
			1	9.50	1.30		12.35		
	Basic Rate	251.00					515.35	266.06	137114.00
	Add Area Weightage 6%	15.06							
	Total	**266.06**							
13	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Sqm							
			1	113.00	1.20		135.60		
	Data Rates Approved by CE DZ							1600.00	**216960.00**
14	Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 thick (P. 27 I. 5.31.1) **Page No. 28/ Item No. 5.31/ PWD SR 2013-14**	**Sqm**							
	BS Slab		1	215.00	1.30		279.50		
							279.50	343.44	**95991.00**
	Basic Rate	318.00							
	Area Weightage 8%	25.44							
	Total	**343.44**							
15	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications page No 27. Item no 5.27.1/PWD SR 2013-14	**SQM**							
			2	14.00	0.20		**5.60**		
			2	11.70	0.20		**4.68**		
			2	13.70	0.40		**10.96**		
			2	5.50	0.80		**8.80**		
			4	1.85	0.60		**4.44**		
	Basic Rate	856.00					**34.48**	924.48	**31876.00**
	Area Weightage 8%	68.48							
	Total	**924.48**							
16	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.150 I.18.57 Table)	Cum							
			Qty. Vide Item No.1 & 8				843.30	78.24	**65980.00**

	Lead 4 Kms Basic Rate	10.24		Qty limited to		486.30	78.24	38048.00
	Loading and Unloading Charges	62.20						
		72.44						
	Area Weightage @ 8%	5.80						
	Total	**78.24**				Sub Total Rs		4044648.00
18	KRIDL & Q C Charges 10+1+					+	4,A5461=00	486000
19	Miscellaneous and UnforessenCharges					+	4044961=00	2820.00
							Total	4500000.00

(Rupees. Forty Five Lakhs Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2013-14
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

A/S
JC(DH) AS F97/13-14 dated 18/02/14
45.00 Lakhs (Rupees forty five lakhs only)

Page No. 149
SC. No. 397 entered 18/2/14

31/13-14/Pg 57 20/02/2014
45.00 ಲಕ್ಷಗಳ (ರೂ ನಲವತ್ತೈದು ಲಕ್ಷಗಳು)